



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of **Halseth**

Application No. 09/619,901

Attorney Docket No. 1032-P00101US9

Filed: July 19, 2000

For: Medical Devices with Retractable
Needle

Examiner: Serke, C.

Group Art Unit: 3731

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RESPONSE TO OFFICE ACTION

IN THE CLAIMS:

Please add the following claims 10-44.

10. A medical device, comprising:
- a needle having a rearward end and a forward end forming a sharpened tip, operable between a projecting position in which the sharpened tip is operable to pierce the skin of a patient, and a retracted position in which the sharpened tip is shielded against inadvertent contact;
 - a housing having a fluid cavity with an interior contour;
 - a fluid contained in the fluid cavity in fluid communication with the needle;
 - a plunger axially displaceable within the housing and operable to expel fluid from the fluid cavity;
 - a profile on the forward end of the plunger configured to conform with the interior contour of the fluid cavity; and
 - a biasing element for displacing the needle from the projecting position to the retracted position;
- wherein upon forward displacement of the plunger, the plunger profile engages the interior contour of the fluid cavity to expel substantially all

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01 FC:102
02 FC:103

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